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WO9520811A1: LASER ILLUMINATED DISPLAY SYSTEM

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Applicant(s):

SDL, INC.

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none.

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(57) Abstract

21

BLUE

A display system in which laters scambassly illuminate the pixels of a spatially modulating display panel (11, 13, 15), such as a liquid crystal display or information may. At least time strainers at land one of which is a laser with each different wavelengths are used, such as last dicho-hard sources (31, 83, 85) producing real, green and blue tight. The last may be pulsed reptilly in sequence to provide time multiplaced illumination of sill of the display pixels or may be expensed in continuum (two) mode, using color fitters on the display, place plates (147) or microleus arrays as image light apour (148) of cash color only on designated pixels. Two sets of team sources (123), either ordegenally linearly polarized or at alight different wavelength, can be used to create 3-D images. Each set may illuminate a different display panel, one for each sey, or the two sets may be time multiplaxed using the same display panel (125). A viewer has colorizing or bundance filters in their of each cyc to apparate the bimorate languages. Ethemprin compling (99) of the laster sources (31, 83, 85, 87) can be used to physically apparet there sources and their proves supply from the display panel (115).















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